How to change air filter on **BMW E90** – replacement guide

VIDEO TUTORIAL

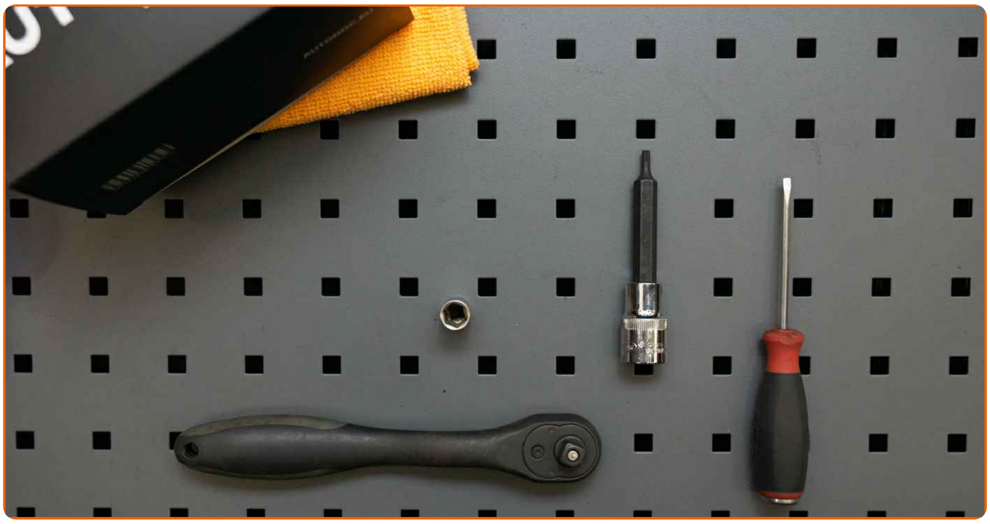


Important!

This replacement procedure can be used for:
BMW 3 Touring (E91) 318i 2.0, BMW 3 Coupe (E92) 318i 2.0, BMW 3 Convertible (E93) 318i 2.0, BMW 1 Hatchback (E81) 116i 1.6, BMW 3 Saloon (E90) 320i 2.0, BMW 3 Touring (E91) 320i 2.0, BMW 3 Saloon (E90) 318i 2.0, BMW 3 Saloon (E90) 320si 2.0, BMW 3 Coupe (E92) 320i 2.0, BMW 3 Convertible (E93) 320i 2.0, BMW 1 Hatchback (E81) 118i 2.0, BMW 1 Hatchback (E81) 120i 2.0, BMW 1 Convertible (E88) 120i 2.0, BMW 1 Convertible (E88) 118i 2.0, BMW X1 (E84) sDrive 18 i, (+ 7)

The steps may slightly vary depending on the car design.

REPLACEMENT: AIR FILTER – BMW E90. TOOLS YOU MIGHT NEED:



- Torx bit T25
- Drive socket # 10
- Ratchet wrench
- Flat Screwdriver
- Microfibre towel
- Fender cover

BUY TOOLS

Replacement: air filter – BMW E90. AUTODOC experts recommend:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Please note: all work on the car – BMW E90 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

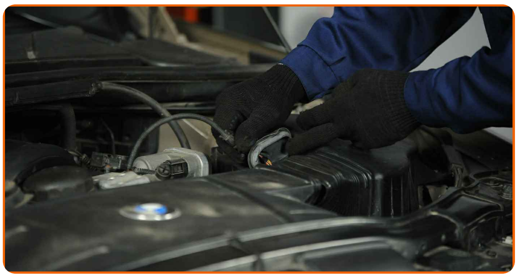


2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Remove the air intake hose.



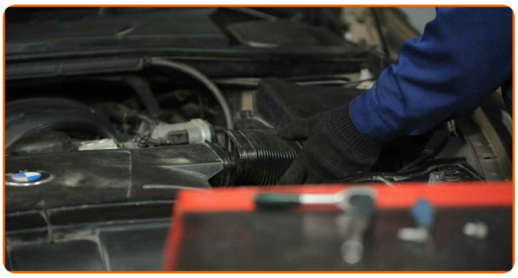
4 Unplug the mass air flow sensor connector. Use a flat screwdriver.



5 Detach the air intake hose clamp. Use a flat screwdriver.



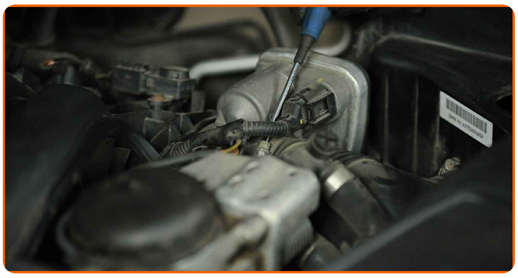
6 Disconnect the air intake pipe from the air filter housing. Use a flat screwdriver.



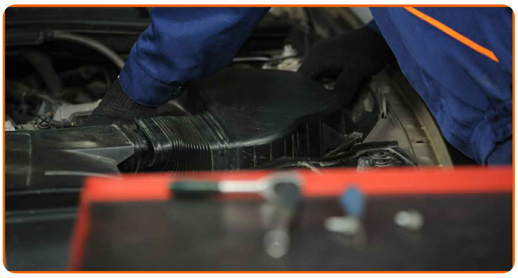
7 Unscrew the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.



8 Unscrew the clamp that fastens the air filter hose to the throttle body. Use a flat screwdriver.



9 Remove the air filter housing.



10 Undo the fastening screws of the air filter cover. Use Torx T25. Use a ratchet wrench.



11 Take off the filter lid. Use a flat screwdriver.



12 Remove the filter element from the filter housing.



13 Clean the air filter cover and housing.

Replacement: air filter – BMW E90. Tip from AUTODOC experts:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.

14 Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



Replacement: air filter – BMW E90. AUTODOC experts recommend:

- Check out the correct location of the filter element. Do not skew.
- Attention! Use quality filters – BMW E90.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

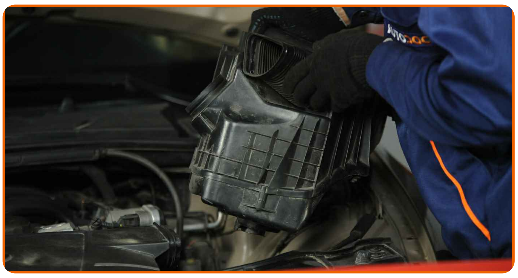
15 Reinstall the air filter cover. Fasten it.



16 Screw in the fastening screws of the air filter cover. Use Torx T25. Use a ratchet wrench.

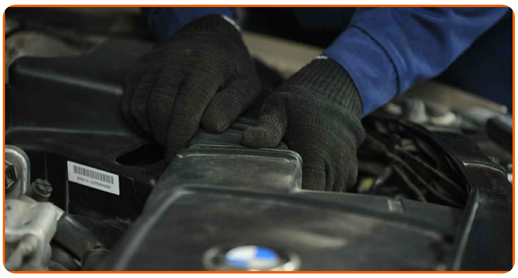


17 Reinstall the air filter housing.



18 Secure the air intake hose.

19 Connect the air intake pipe to the air filter housing.



20 Screw in the clamp that connects the air filter hose to the throttle body. Use a flat screwdriver.



21 Fasten the clamp on the air intake hose. Use a flat screwdriver.



22 Screw the filter housing fastening bolts. Use a drive socket #10. Use a ratchet wrench.



23 Plug in the mass air flow sensor conntector.



24 Remove the fender protection cover.

25 Close the hood.



WELL DONE!

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